



INDUSTRIAL LUBRICANT SOLUTIONS

FULL GUIDE TO **STATE'S** INDUSTRIAL LUBRICANTS



stateindustrial.com

State[®]
Since 1911

Care For Work Environments[®]

STATE LUBRICANT LINE

State offers a variety of products, from aerosol lubricants and penetrants, to bulk greases all to help maintain your facility. Designed with the toughest conditions in mind, our products can withstand the everyday demands of heavy-duty maintenance applications. Plus, we can put together an aerosol program where you select the products you need to handle the different issues you deal with every day.

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STATE PENETRANTS

Penetrants are specialized fluids designed to break through rust, corrosion, and grime in tight or seized components. Their low viscosity and aerosol pressure allow them to reach deep into threads, joints, and fittings. This enables them to loosen stuck parts quickly and efficiently. Many also leave behind a light, protective film that lubricates while guarding against further corrosion. With non-flammable options available, penetrants are a safe and effective solution for industrial, automotive, and maintenance environments.

FAST-ACTING PERFORMANCE

Penetrants significantly reduce the time, effort, and potential damage involved in disassembling rusted or seized parts. Their deep-reaching formulas quickly restore movement, making them ideal for aging or weather-exposed systems.

VERSATILE PROTECTION & USE

In addition to freeing stuck components, many penetrants offer ongoing protection by forming a corrosion-resistant film. They're commonly used on bolts, locks, brake cables, and other metal parts where rust prevention and quick release are critical.



STATE GUARDIAN® PENETRANT



PACKAGING

129390	EA1
129390-12	CS12
129390-24	CS24

OVERVIEW

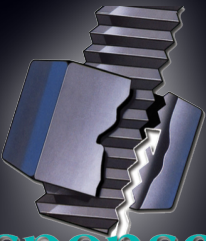
State Guardian® Penetrant is a deep-penetrating, non-flammable formula that quickly loosens rusted nuts, bolts, and studs, even in the toughest spots. It leaves behind a protective oil film that lubricates and guards against rust and corrosion, making it ideal for use on exhaust fittings, brake cables, locks, and more.

- Deep-penetrating fluid loosens nuts, bolts, and studs quickly
- Lubricates with residual oil film to protect surfaces
- Non-flammable formula for safe handling
- Protects surfaces from rust and corrosion



**Formerly sold as State PEN®*

PENETRANTS



EnviroResponse™



OVERVIEW

EnviroResponse™ Bio-Based Penetrant breaks through rust and corrosion fast using a patented, VOC-compliant, bio-based formula designed for today's regulatory standards. It clings to metal surfaces, climbing threads and freeing stuck parts while leaving behind a protective film that prevents future rust. Ideal for automotive repairs, shop maintenance, hinges, doors, and detail work, EnviroResponse™ Bio-Based Penetrant delivers powerful performance while being safer for the environment.

- Deep penetrating fluid that lubricates with residual oil film
- 47,000 Volt dielectric strength for use in electrical applications
- Protects applied surfaces from rust and corrosion
- USDA certified bio-based product

PACKAGING

124753	EA1
124753-12	CS12
124753-24	CS24



PENETRANTS

STATE GUARDIAN® CLINGING PENETRANT



PACKAGING

129760	EA1
129760-12	CS12
129760-24	CS24

OVERVIEW

State Guardian® Clinging Penetrant is a high-performance penetrant, lubricant, and moisture displacer designed to free seized components, restore reliable operation, and help extend equipment life. Its PTFE-enhanced formula penetrates rust and corrosion, displaces moisture from electrical components, and leaves a protective waterproof film that helps prevent future failures.

- Penetrates quickly through rust, corrosion, scale, and other deposits to loosen frozen nuts, bolts, fittings, joints, couplings, and threaded components
- Displaces moisture and helps prevent electrical shorts, current leakage, and power loss; non-conductive up to 21,600 volts
- PTFE-enhanced formula provides long-lasting lubrication, reduces friction, and promotes smooth operation of moving parts
- Leaves a waterproof protective film that helps prevent rust, corrosion, moisture intrusion, and future seizing



PENETRANTS

STATE LUBRICANTS

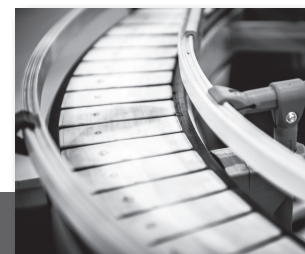
Lubricants are vital for reducing friction, wear, and heat between moving parts, keeping equipment operating smoothly and efficiently. Today's options include dry films, food-grade aerosols, cutting fluids, and high-performance synthetics, each designed to meet specific industrial demands. Cutting fluids play a key role in machining by cooling surfaces, dispersing heat, and extending tool life. Many lubricant formulas also provide wide temperature protection and resist buildup, oxidation, and contamination. These lubricants support improved system performance, reduced maintenance, and extended equipment life.

IMPROVED PERFORMANCE & PROTECTION

Lubricants form lasting protective films that reduce friction and wear, resist dirt accumulation, and perform under extreme heat or pressure. Their efficiency leads to fewer breakdowns, lower maintenance costs, and longer-lasting equipment.

VERSATILE USE ACROSS INDUSTRIES

Whether applied to gears, chains, conveyors, or cutting surfaces, lubricants are suited for a wide range of surfaces and applications. Options exist for food-grade settings, metal-to-metal contact points, and even non-metal surfaces like rubber and wood.



STATE GUARDIAN® DRY SILICONE LUBRICANT



PACKAGING

129391	EA1
129391-12	CS12
129391-24	CS24
129422	GL EA1
129423	GL CS4
129424	D20
129425	D55

*Formerly sold as SPW™

OVERVIEW

State Guardian® Dry Silicone Lubricant is a fast-drying silicone lubricant that leaves a clear, non-staining, waterproof film to lubricate and protect. Its long-lasting, non-stick coating prevents buildup from snow, grass, sawdust, and more, all while guarding against rust and corrosion. It provides effective lubrication between -35°F and 300°F and is safe for use on nearly any type of surface, including metal, wood, rubber, plastic, leather, canvas and chrome. It can also have light-duty use for chains, cables, pulleys, bearings, and high pressure applications.

- Fast drying silicone aerosol provides excellent lubrication
- Colorless, waterproof film makes great release agent
- Protects surfaces from rust and corrosion
- NSF H1 and CFIA certified

Application / Feature	State Guardian® Dry Silicone Lubricant
High Load/ Extreme Pressure	No
High Temperature	No
Dusty/Dirty Environments	Good
Corrosion Protection	No
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	Good
Food Grade	Good

STATE GUARDIAN® FOOD GRADE LUBRICANT



OVERVIEW

State Guardian® Food Grade Lubricant is a clean, non-staining white mineral oil lubricant designed for food processing and packaging equipment. Effective use from 0°F to 300°F but not intended for high load/high pressure applications. This product is non-toxic, odorless, tasteless and contains no silicone. Ideal for applications such as slides, conveyors, canning lines, bottling machines, and more. Packaged in a convenient industrial aerosol with an extension tube, State Guardian® Food Grade Lubricant is easy to apply with no special equipment required.

- Designed for food processing and packaging industry
- Non-staining, silicone-free formula
- NSF H1 and CFIA certified

Application / Feature	State Guardian® Food Grade Lubricant
High Load/ Extreme Pressure	No
High Temperature	No
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	No
Electrical Contact Safety	No
Plastic/Rubber Compatibility	Good
Food Grade	Good

PACKAGING

129396	EA1
129396-12	CS12
129396-24	CS24

**Formerly sold as FGL™*

STATE GUARDIAN® OPEN GEAR LUBRICANT



PACKAGING

129399	EA1
129399-12	CS12
129399-24	CS24

OVERVIEW

State Guardian® Open Gear Lubricant is a weather-resistant lubricant that sprays on thin and penetrates deep, then thickens into a heavy load-bearing consistency. Powerful adhesive agents cause it to spread and cling to contact areas, assuring uniform coverage. Its oil-based formula ensures long-lasting covering and protects against water, corrosion, and wear making it ideal for heavy-duty applications in cement mills, sawmills, foundries, machine shops, and mining operations.

- Creates uniform coverage to protect from water and rust
- Withstands high loads and extreme pressures
- Eliminates friction and reduces wear to protect surfaces
- NSF H2 certified

Application / Feature	State Guardian® Open Gear Lubricant
High Load/ Extreme Pressure	Good
High Temperature	Good
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	No
Food Grade	Good

*Formerly sold as OGL®

TEF™



OVERVIEW

TEF™ is a clear, non-staining lubricant that creates a slick, protective barrier resistant to acids, solvents, and extreme temperatures (-100°F to 500°F). Its advanced release agents reduce friction and wear, making it ideal for use on metal, wood, rubber, leather, and glass.

- Non-staining and colorless for superior invisible lubrication
- Dry-PTFE formula provides excellent release properties
- Dries into odorless, oil-resistant film that repels dust and dirt
- Effective from -100°F to 500°F for broad temperature usage

Application / Feature	TEF™
High Load/ Extreme Pressure	No
High Temperature	Good
Dusty/Dirty Environments	Good
Corrosion Protection	No
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	Good
Food Grade	No

PACKAGING

121830	EA1
121830-12	CS12
105466	CS24

STATE GUARDIAN® GRAPHITE LUBRICANT



OVERVIEW

State Guardian® Graphite Lubricant is an advanced, high-temperature dry-film graphite lubricant engineered for extreme industrial environments. Its fast-drying formula forms a durable, pressure-resistant barrier that performs reliably in temperatures ranging from -100°F to 850°F (-73°C to 454°C). Unlike traditional greases, State Guardian® Graphite Lubricant won't attract dust, dirt, or debris, making it ideal for precision applications on exposed metal surfaces.

- Performs under extreme pressures
- Reduces mechanical wear, extending the life of equipment
- Will not attract dust, dirt or debris on any metal surface
- Provides superior lubrication from -100°F to 850°F
- Resists pressures up to 18,000 psi

Application / Feature	State Guardian™ Graphite Lubricant
High Load/ Extreme Pressure	Good
High Temperature	Good
Dusty/Dirty Environments	Good
Corrosion Protection	No
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	Good
Food Grade	No

PACKAGING

129392	EA1
129392-12	CS12
129392-24	CS24

*Formerly sold as GRA™

LUBRICANTS

STATE GUARDIAN® CHAIN & CABLE LUBRICANT



PACKAGING

129398	EA1
129398-12	CS12
129398-24	CS24
129433	5 GL Pail
129434	Drum 55

*Formerly sold as CCL™ and Duraflex

OVERVIEW

State Guardian® Chain & Cable Lubricant penetrates deep into wire ropes and chains to deliver lasting lubrication without attracting dust or dirt. It protects against galling, seizing, and wear, helping reduce noise, vibration, and chain whip for longer equipment life. Ideal for forklifts, gears, hoists, pulleys, conveyors, and other high-friction industrial components. State Guardian® Chain & Cable Lubricant can be used in outdoor applications, but it may require repeated applications to maintain performance.

- Penetrates and lubricates cables and chains
- Protects against friction and wear
- Dry film will not attract dust and dirt
- Protects against rust and corrosion

Application / Feature	State Guardian® Chain & Cable Lubricant
High Load/ Extreme Pressure	No
High Temperature	No
Dusty/Dirty Environments	Good
Corrosion Protection	Good
Outdoor/Weather Resistance	No
Electrical Contact Safety	No
Plastic/Rubber Compatibility	No
Food Grade	No

STATE GUARDIAN® DRY MOLY LUBRICANT



OVERVIEW

State Guardian® Dry Moly Lubricant is a fast-drying, moly-based lubricant built for extreme conditions, handling temps from -40° F to 662° F and pressures up to 250,000 psi. It forms a durable dry film that resists moisture, prevents rust, and won't carbonize, even under intense heat. This product is free of methylene chloride and is ideal for chains, gears, and high-temp environments where liquid lubricants fall short. Light-duty applications are acceptable for hinges, heavy construction equipment, locks and latches. It can also be applied to plastic and rubber.

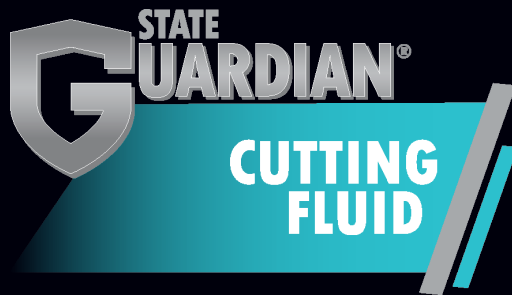
- Moly-based dry film that lubricates and displaces moisture
- Quick dry allows immediate use of chain and gear after application
- Can be used at high temperatures and will not carbonize
- Protects against rust and corrosion

Application / Feature	State Guardian® Dry Moly Lubricant
High Load/ Extreme Pressure	Good
High Temperature	Good
Dusty/Dirty Environments	Good
Corrosion Protection	Good
Outdoor/Weather Resistance	Good
Electrical Contact Safety	Good
Plastic/Rubber Compatibility	Good
Food Grade	No

PACKAGING

129401	EA1
129401-12	CS12
129401-24	CS24

**Formerly sold as Dry Lube Dry Moly.*



OVERVIEW

State Guardian® Cutting Fluid is a high-performance cutting fluid designed for clean, precise results in cutting, threading, tapping, and drilling. Its advanced formula reduces friction, disperses heat, and protects against rust and corrosion. Application eliminates mess and waste, while its compatibility with most metals makes it a versatile solution for any shop.

- Cooling and lubricating agents to extend equipment life
- Reduces friction to minimize heat buildup
- Compatible with most metals allowing for broad usage
- Eliminates spillage, dripping, evaporation and runoff

PACKAGING

129395	EA1
129395-12	CS12
129395-24	CS24
129428	GL EA
129429	GL CS4
129430	Drum 20
129431	Drum 55
129432	Tote 260

**Formerly sold as CUT™ and Cut N Cool*

Application / Feature	State Guardian® Cutting Fluid
High Load/ Extreme Pressure	No
High Temperature	Good
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	No
Electrical Contact Safety	No
Plastic/Rubber Compatibility	No
Food Grade	No

STATE GREASES

Greases are heavy-duty lubricants designed to stay in place under high loads, pressure, and temperature extremes. Made with thickeners like lithium, aluminum, or bentonite, they provide long-lasting protection against rust, corrosion, and water washout. This category also includes gel lubricants for targeted, no-drip application and anti-seize compounds that prevent galling and seizing in threaded metal parts. Whether you're maintaining high-speed bearings, food plant machinery, or construction equipment, there's a grease or specialty formulation for the job. These products are engineered to resist oxidation and shearing, extending service life and reducing the need for frequent reapplication.

ENGINEERED FOR EXTREME DEMANDS

Modern greases are built to perform in the most punishing environments. They remain stable under high pressure and temperature, resisting breakdown, washout, and oxidation.

TRUSTED IN CRITICAL EQUIPMENT

Whether for food processing lines, agricultural machinery, or industrial gearboxes, greases protect essential components from wear and corrosion, ensuring long-term performance and uptime.



STATE GUARDIAN® CLEAR GEL LUBRICANT



PACKAGING

129397	EA1
129397-12	CS12
129397-24	CS24

OVERVIEW

State Guardian® Clear Gel Lubricant is a heavy-duty, no-drip lubricant that sprays on as a liquid, penetrates deep, then dries clear with no residue. Powered by Liqui-set technology, it forms a clear, highly viscous film that is ideal for applications where staining can't be tolerated. Excellent temperature range usage from -20°F to 600°F and light-duty use only for bearings, heavy construction equipment and high load/high pressure applications.

- Clear, non-staining gel lubricant
- Sprays as liquid to penetrate and sets up as clear gel
- Doesn't drip as product clings to vertical and overhead surfaces

Application / Feature	State Guardian® Clear Gel Lubricant
High Load/ Extreme Pressure	No
High Temperature	Good
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	No
Food Grade	No

**Formerly sold as Invisilube® II*

GREASES

STATE GUARDIAN® RED GEL LUBRICANT



OVERVIEW

State Guardian® Red Gel Lubricant is a bentone-based red gel lubricant designed to stay in place and resist oxidation, even under extreme conditions. Designed to withstand moisture, acids, high pressure and rusting. It won't thin or break down over time, providing reliable performance on metal surfaces. Temperatures over 350°F may require periodic reapplication. Ideal for adjuster screws, bushings, cable connections, hinges, winches, conveyors, gears, pins, levers and rollers. Can be used in all areas of industrial maintenance.

- Sprays on as liquid and sets as red waterproof gel
- Protects surfaces from rust and corrosion
- Withstands high pressures and loads from 0°F to 350°F
- Unaffected by acids, salt and alkaline

Application / Feature	State Guardian® Red Gel Lubricant
High Load/ Extreme Pressure	Good
High Temperature	No
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	No
Food Grade	No

PACKAGING

129393	EA1
129393-12	CS12
129393-24	CS24

*Formerly sold as GRS®

STATE GUARDIAN® COPPER ANTI-SEIZE



OVERVIEW

State Guardian® Copper Anti-Seize is a copper-based lubricant designed to prevent galling, seizing, rust, and corrosion on threaded or mated metal surfaces. It withstands extreme conditions and resists oxidation, acids, caustics, steam, and saltwater. Ideal for use on fittings, brake cams, chains, valves, and more. It's safe for all metals including steel, stainless, aluminum, and titanium. Can be used in a variety of industries, not limited to automotive, industrial, marine, and construction.

- Copper-based formula prevents galling and seizing
- Effective in extreme temperature conditions (-60°F to 1800°F)
- Prevents rust and corrosion on applied surfaces



PACKAGING

Aerosol

129402 EA1
129402-12 CS12
129402-24 CS24

Grease

129409 EA1
129410 CS6

**Formerly sold as Rapid Wrench™ and Screw-Eez II*

GREASES

STATE GUARDIAN® FOOD GRADE GREASE



PACKAGING

Aerosol

129400	EA1
129400-12	CS12
129400-24	CS24

**Formerly sold as WAG™*

OVERVIEW

State Guardian® Food Grade Grease is a multipurpose white grease formulated for metal-to-metal contact, offering long-lasting protection against rust and water damage. Ideal for food plant machinery, conveyors, bottling, and packaging equipment, it helps minimize maintenance and prevent costly downtime.

- White multi-purpose grease lubricates and protects surfaces
- Anti-rust barrier to protect parts exposed to water and moisture
- NSF H1 and CFIA certified

Application / Feature	State Guardian® Food Grade Grease
High Load/ Extreme Pressure	Good
High Temperature	Good
Dusty/Dirty Environments	No
Corrosion Protection	Good
Outdoor/Weather Resistance	Good
Electrical Contact Safety	No
Plastic/Rubber Compatibility	Good
Food Grade	Good

STATE GUARDIAN® FOOD GRADE GREASE



OVERVIEW

State Guardian® Food-Grade Grease is an NSF H1-certified, calcium sulfonate grease formulated for food processing and packaging equipment. Blended with ISO 200 mineral oil, it offers low-toxicity lubrication with added rust and oxidation protection.

- Food Grade calcium sulfonate grease (NLGI Grade 2)
- Designed for food and poultry plants
- NSF H1 and CFIA certified

PACKAGING

Grease

129411	CT1
129412	CT10
129413	D120

**Formerly sold as Professional Lubes™ WG Grease*

	PRODUCTS				
	State Guardian® Food Grade Grease	State Guardian® All-Purpose Grease	State Guardian® Super Impact Grease	State Guardian® Extreme Temp Grease	State Guardian® Aluminum Moly Grease
CHARACTERISTICS					
Color	White	Amber	Green	Green	Gray
Thickener	Calcium Sulfonate	Lithium Complex	Bentone	Calcium Sulfonate	Aluminum Complex
Base Oil	Mineral Oil	Petroleum Oil	Petroleum Oil	Petroleum Oil	Petroleum Oil
NLGI Grade	2	2	3	2	2
Operating Temp Range (°F)	-40 to 500	0 to 350	0 to 300	-20 to 500	-5 to 350
Dropping Point (°F)	550	550 to 600	Non-melt	550	500
Penetration	265-295	265-295	220-250	265-295	265-295
Extreme Pressure Additive Present	Yes	Yes	Yes	Yes	Yes
Timken OK Load (LBS)	60	60-70	60-70	65	60
Four Ball Weld Load (KG)	620	315	315-400	620	620

GREASES



OVERVIEW

State Guardian® All-Purpose Grease is a multi-use lithium complex grease formulated with rust and oxidation inhibitors plus extreme pressure additive to handle heavy loads and harsh conditions. It provides lasting protection and lubrication up to 350°F, making it ideal for disc brakes, industrial machinery, mining, agriculture, and off-road equipment.

- Lithium complex grease (NLGI Grade 2)
- Protects up to 350°F for multi-purpose use
- Additives for extreme pressure use

PACKAGING

129406	CT1
129407	CT10
129408	D120

**Formerly sold as Professional Lubes™ AP-L Grease*

	PRODUCTS				
	State Guardian® Food Grade Grease	State Guardian® All-Purpose Grease	State Guardian® Super Impact Grease	State Guardian® Extreme Temp Grease	State Guardian® Aluminum Moly Grease
CHARACTERISTICS					
Color	White	Amber	Green	Green	Gray
Thickener	Calcium Sulfonate	Lithium Complex	Bentone	Calcium Sulfonate	Aluminum Complex
Base Oil	Mineral Oil	Petroleum Oil	Petroleum Oil	Petroleum Oil	Petroleum Oil
NLGI Grade	2	2	3	2	2
Operating Temp Range (°F)	-40 to 500	0 to 350	0 to 300	-20 to 500	-5 to 350
Dropping Point (°F)	550	550 to 600	Non-melt	550	500
Penetration	265-295	265-295	220-250	265-295	265-295
Extreme Pressure Additive Present	Yes	Yes	Yes	Yes	Yes
Timken OK Load (LBS)	60	60-70	60-70	65	60
Four Ball Weld Load (KG)	620	315	315-400	620	620

STATE GUARDIAN® SUPER IMPACT GREASE



OVERVIEW

State Guardian® Super Impact Grease is a non-melting, high-impact grease formulated with a Bentone thickener and paraffinic base oil. Fortified with tackifiers, it clings under extreme pressure and high temperatures, making it ideal for heavy machinery, fleet maintenance, bearings, and tough automotive wear points.

- Non-melt Bentone grease (NLGI Grade 3)
- Designed for specialized high-pressure applications
- Fortified to withstand heavy impact and extreme temperatures

PACKAGING

129417	CT1
129418	CT10
129421	D120

	PRODUCTS				
	State Guardian® Food Grade Grease	State Guardian® All-Purpose Grease	State Guardian® Super Impact Grease	State Guardian® Extreme Temp Grease	State Guardian® Aluminum Moly Grease
CHARACTERISTICS					
Color	White	Amber	Green	Green	Gray
Thickener	Calcium Sulfonate	Lithium Complex	Bentone	Calcium Sulfonate	Aluminum Complex
Base Oil	Mineral Oil	Petroleum Oil	Petroleum Oil	Petroleum Oil	Petroleum Oil
NLGI Grade	2	2	3	2	2
Operating Temp Range (°F)	-40 to 500	0 to 350	0 to 300	-20 to 500	-5 to 350
Dropping Point (°F)	550	550 to 600	Non-melt	550	500
Penetration	265-295	265-295	220-250	265-295	265-295
Extreme Pressure Additive Present	Yes	Yes	Yes	Yes	Yes
Timken OK Load (LBS)	60	60-70	60-70	65	60
Four Ball Weld Load (KG)	620	315	315-400	620	620

*Formerly sold as Professional Lubes™ B-SI Grease

GREASES

STATE GUARDIAN® EXTREME TEMP GREASE



OVERVIEW

State Guardian® Extreme Temperature Grease is a waterproof, high-performance grease built for extreme pressure, high-speed, and severe temperature applications. It forms a durable, shear-stable film that resists rust, corrosion, and saltwater washout. Ideal for demanding industrial, marine, and heavy-duty environments.

- Calcium sulfonate grease (NLGI Grade 2)
- Effective at -20°F to 500°F for extreme temperature usage
- Suitable for high-speed bearings and extreme pressure use
- Protects surfaces from rust and corrosion

PACKAGING

129414	CT1
129415	CT10
129416	D120

	PRODUCTS				
	State Guardian® Food Grade Grease	State Guardian® All-Purpose Grease	State Guardian® Super Impact Grease	State Guardian® Extreme Temp Grease	State Guardian® Aluminum Moly Grease
CHARACTERISTICS					
Color	White	Amber	Green	Green	Gray
Thickener	Calcium Sulfonate	Lithium Complex	Bentone	Calcium Sulfonate	Aluminum Complex
Base Oil	Mineral Oil	Petroleum Oil	Petroleum Oil	Petroleum Oil	Petroleum Oil
NLGI Grade	2	2	3	2	2
Operating Temp Range (°F)	-40 to 500	0 to 350	0 to 300	-20 to 500	-5 to 350
Dropping Point (°F)	550	550 to 600	Non-melt	550	500
Penetration	265-295	265-295	220-250	265-295	265-295
Extreme Pressure Additive Present	Yes	Yes	Yes	Yes	Yes
Timken OK Load (LBS)	60	60-70	60-70	65	60
Four Ball Weld Load (KG)	620	315	315-400	620	620

*Formerly sold as Professional Lubes™ XT-S Grease

GREASES

STATE GUARDIAN® ALUMINUM MOLY GREASE



OVERVIEW

State Guardian® Aluminum Moly Grease is a premium aluminum-complex grease formulated with 1% Molybdenum Disulfide (MoS₂) to deliver exceptional extreme-pressure performance and long-lasting protection. Its aluminum-complex thickener provides outstanding water resistance, thermal stability up to 350°F and strong mechanical durability for demanding industrial and automotive applications. With natural tackiness that keeps the grease in place, it excels in equipment exposed to shock loads, heavy vibration, and continuous wear. This grease offers reliable adhesion, reduced washout, and extended service life to keep critical equipment running at peak performance.

- Aluminum complex grease with moly (NLGI Grade 2)
- Typical working range of -5°F to 350°F
- High Timken rating & shear stable

PACKAGING

129457	CT1
129458	CT10
129459	D120

	PRODUCTS				
	State Guardian® Food Grade Grease	State Guardian® All-Purpose Grease	State Guardian® Super Impact Grease	State Guardian® Extreme Temp Grease	State Guardian® Aluminum Moly Grease
CHARACTERISTICS					
Color	White	Amber	Green	Green	Gray
Thickener	Calcium Sulfonate	Lithium Complex	Bentone	Calcium Sulfonate	Aluminum Complex
Base Oil	Mineral Oil	Petroleum Oil	Petroleum Oil	Petroleum Oil	Petroleum Oil
NLGI Grade	2	2	3	2	2
Operating Temp Range (°F)	-40 to 500	0 to 350	0 to 300	-20 to 500	-5 to 350
Dropping Point (°F)	550	550 to 600	Non-melt	550	500
Penetration	265-295	265-295	220-250	265-295	265-295
Extreme Pressure Additive Present	Yes	Yes	Yes	Yes	Yes
Timken OK Load (LBS)	60	60-70	60-70	65	60
Four Ball Weld Load (KG)	620	315	315-400	620	620

PRODUCT SELECTION CHART

LUBRICANT APPLICATION CHART

	APPLICATIONS												
	Static Chains/Cables/Pulleys	Flexing Chains/Cables/Pulleys	Open Gears	CNC and Machining Tools	Bearings	Mold Release	Locks & Latches	Hinges	Heavy Construction Equipment	Conveyors	Vacuum or Aerospace Use	Anti-Seize / Thread Lubrication	Sliding/Static Metal Contact
State Guardian® Chain & Cable Lubricant	★	★	X	X	✓	X	X	✓	✓	✓	X	X	✓
State Guardian® Dry Moly Lubricant	✓	X	X	X	X	X	X	X	X	✓	✓	✓	★
State Guardian® Food Grade Lubricant	✓	X	X	X	✓	X	X	✓	X	✓	X	X	X
State Guardian® Graphite Lubricant	★	X	X	X	X	X	★	X	X	X	X	✓	✓
State Guardian® Open Gear Lubricant	X	X	★	X	X	X	X	X	★	X	X	X	X
State Guardian® Dry Silicone Lubricant	X	X	X	X	X	★	✓	★	X	✓	X	X	✓
TEF™	✓	X	X	X	X	★	★	✓	X	X	✓	✓	★
State Guardian® Cutting Fluid	X	X	X	★	X	X	X	X	X	X	X	X	X
State Guardian® Clear Gel Lubricant	✓	X	X	X	X	X	✓	★	X	✓	X	X	✓
State Guardian® Red Gel Lubricant	✓	X	✓	X	✓	X	X	★	★	✓	X	X	✓
State Guardian® Food Grade Grease	✓	✓	X	✓	X	★	★	✓	★	X	X	★	X

KEY:

★ - excellent ✓ - good X - not recommended

PRODUCT SELECTION CHART

GREASE APPLICATION CHART

	EFFECTIVE AGAINST							APPLICATIONS								
	Rust Resistance	Dirt & Contaminants	Impact Resistance	Water Resistance	Food Grade (NSF H1)	U-Joints	Electric Motors	Machinery	Fifth Wheel	King Pins	Bucket Pins	Marine Applications	Wheel Bearings	Hinges	Gears	Grease Gun Compatible
State Guardian® All-Purpose Grease	★	★	★	★	X	★	★	★	★	★	★	★	★	★	★	★
State Guardian® Super Impact Grease	★	★	★	★	X	★	★	★	★	★	★	X	★	★	★	★
State Guardian® Food Grade Grease	★	★	X	★	★	X	X	★	X	X	X	X	X	X	X	★
State Guardian® Extreme Temp Grease	★	★	★	★	X	★	X	★	X	★	★	X	★	X	X	★
State Guardian® Aluminum Moly Grease	★	★	★	★	X	★	X	★	★	★	★	X	★	★	★	★
KEY: ★ - compatible X - incompatible																

KEY:

★ - compatible

X - incompatible

PRODUCT SELECTION CHART

GREASE COMPATIBILITY CHART

		Aluminum Complex	Barium Complex	Calcium Stearate	Calcium 12-Hydroxy	Calcium Complex	Calcium Sulfonate Complex	Bentonite Clay	Lithium Stearate	Lithium 12-Hydroxy	Lithium Complex	Polyurea (Conventional)	Polyurea (Shear stable)
Lithium Complex	State Guardian® All-Purpose Grease	!	X	★	★	★	★	X	★	★	★	X	★
Calcium Sulfonate Complex	State Guardian® Food Grade Grease	!	!	★	★	★	★	X	★	★	★	X	★
Calcium Sulfonate Complex	State Guardian® Extreme Temp Grease	!	!	★	★	★	★	X	★	★	★	X	★
Bentonite	State Guardian® Super Impact Grease	X	X	★	★	X	X	★	X	X	X	X	!
Aluminum Complex	State Guardian® Aluminum Moly Grease	★	X	X	★	X	!	X	X	X	!	X	★

KEY:

★ - compatible ! - borderline X - incompatible

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